Fig.1

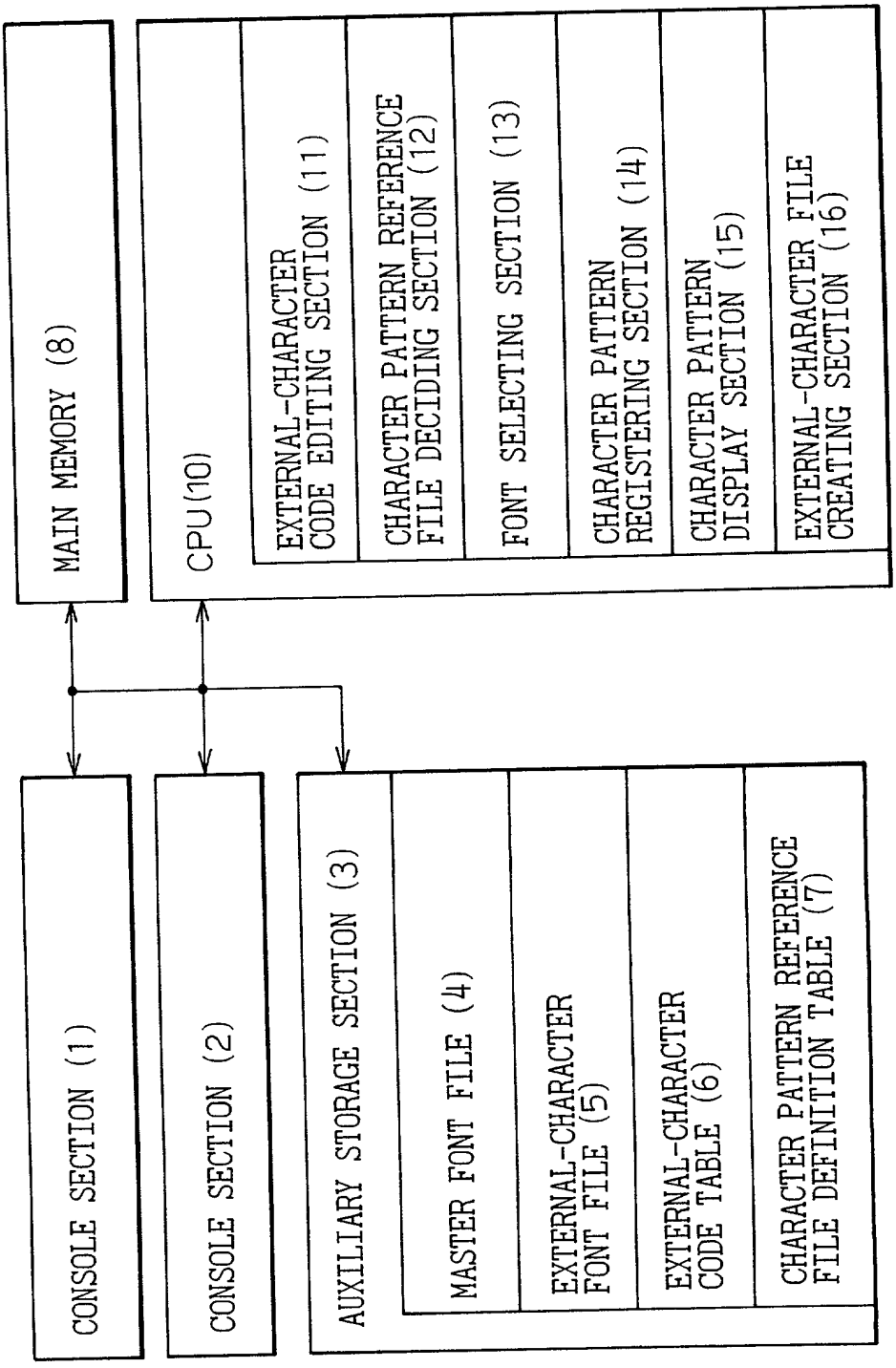

MAIN MEMORY (8)
CPU (10)
EXTERNAL-CHARACTER CODE EDITING SECTION (11)
CHARACTER PATTERN REFERENCE FILE DECIDING SECTION (12)
FONT SELECTING SECTION (13)
CHARACTER PATTERN REGISTERING SECTION (14)
CHARACTER PATTERN DISPLAY SECTION (15)
EXTERNAL-CHARACTER FILE CREATING SECTION (16)
CONSOLE SECTION (1)
CONSOLE SECTION (2)
AUXILIARY STORAGE SECTION (3)
MASTER FONT FILE (4)
EXTERNAL-CHARACTER FONT FILE (5)
EXTERNAL-CHARACTER CODE TABLE (6)
CHARACTER PATTERN REFERENCE FILE DEFINITION TABLE (7)

Fig.2

MASTER CODE	CHARACTER PATTERN (A)
101	CHARACTER PATTERN OF 「101」
102	CHARACTER PATTERN OF 「102」
103	CHARACTER PATTERN OF 「103」
⋮	⋮
65494	CHARACTER PATTERN OF 「65494」

Fig.3A

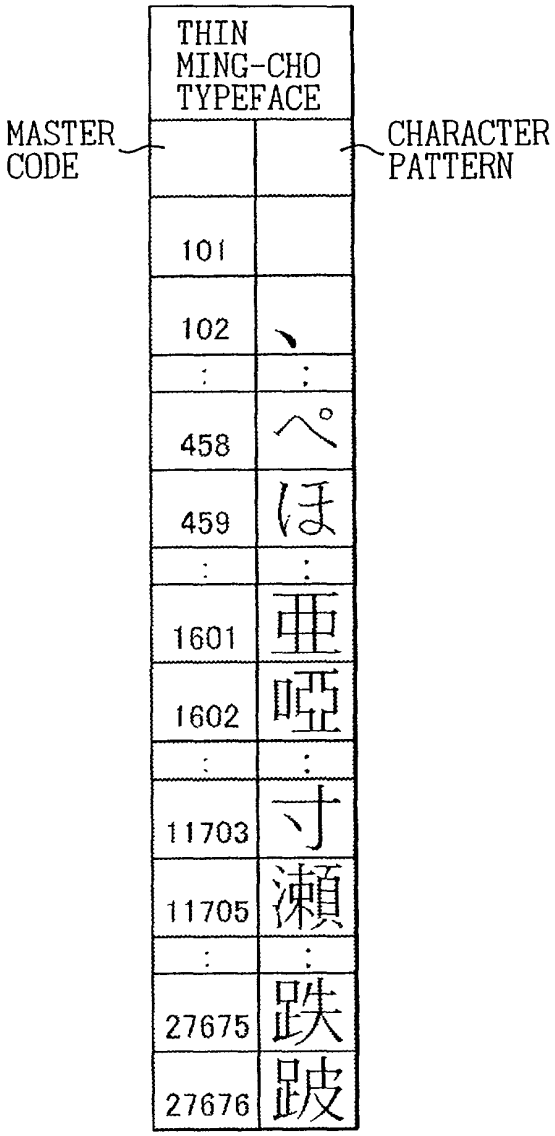

THIN MING-CHO TYPEFACE
MASTER CODE
CHARACTER PATTERN
101
102
458
459
1601
1602
11703
11705
27675
27676

Fig.3B

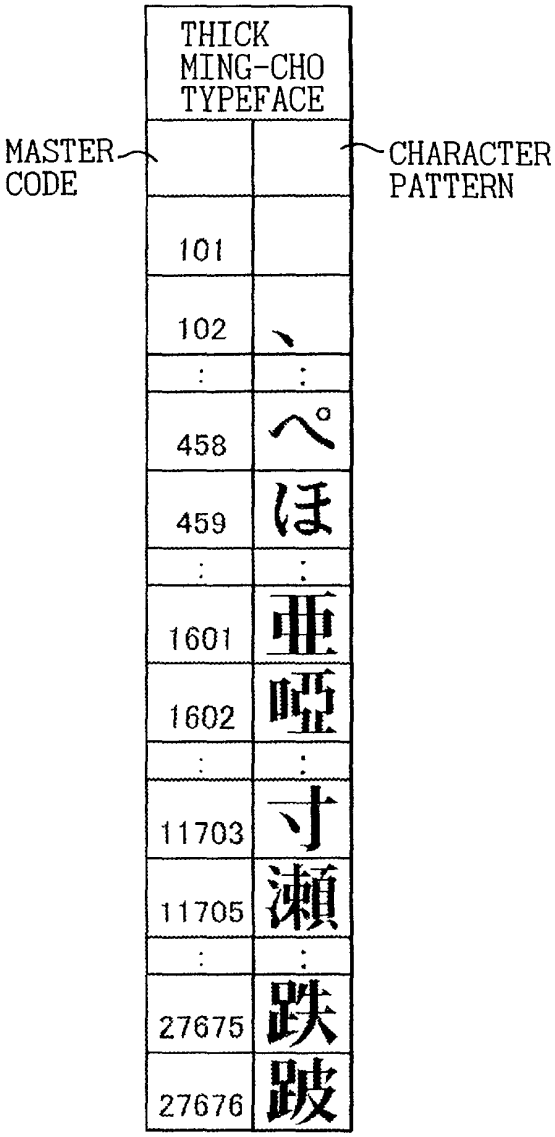

THICK MING-CHO TYPEFACE
MASTER CODE
CHARACTER PATTERN
101
102
458
459
1601
1602
11703
11705
27675
27676

Fig.3C

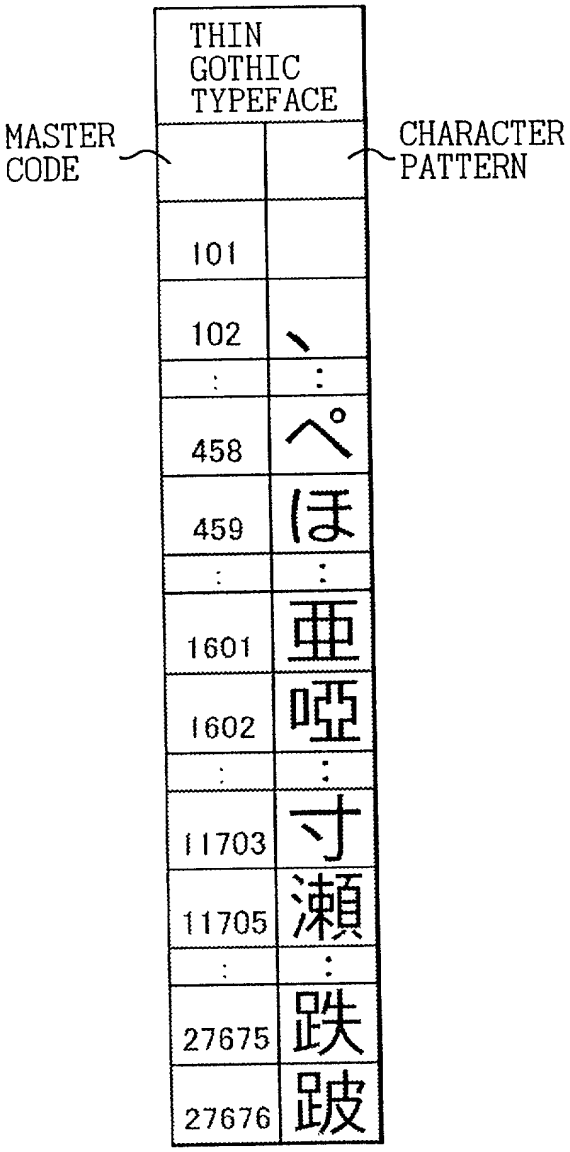

THIN GOTHIC TYPEFACE
MASTER CODE
CHARACTER PATTERN
101
102
458
459
1601
1602
11703
11705
27675
27676

Fig.3D

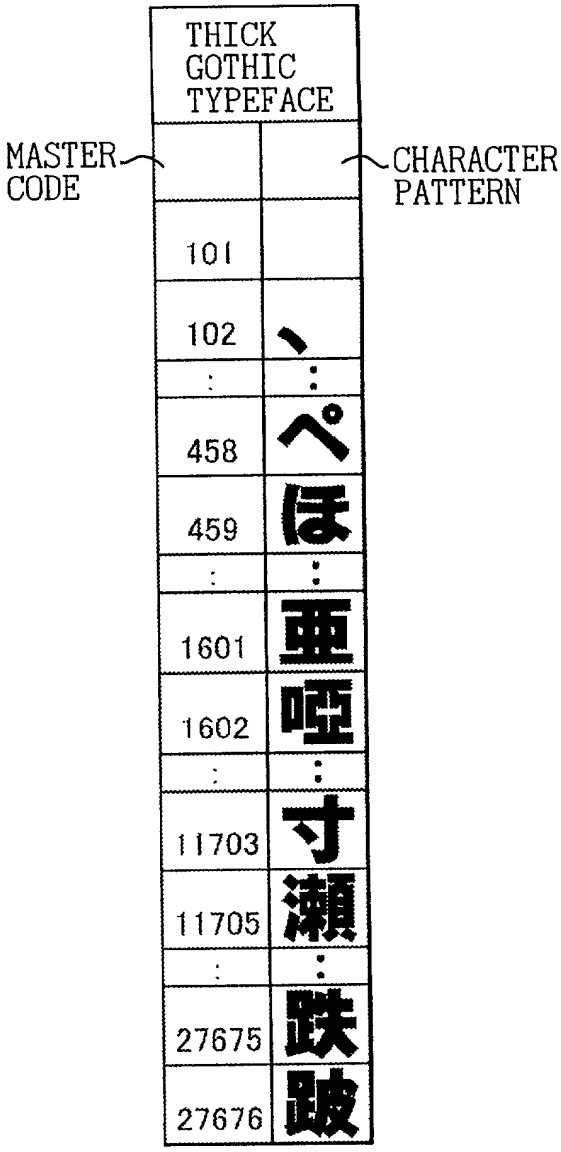

THICK GOTHIC TYPEFACE
MASTER CODE
CHARACTER PATTERN
101
102
458
459
1601
1602
11703
11705
27675
27676

Fig.3E

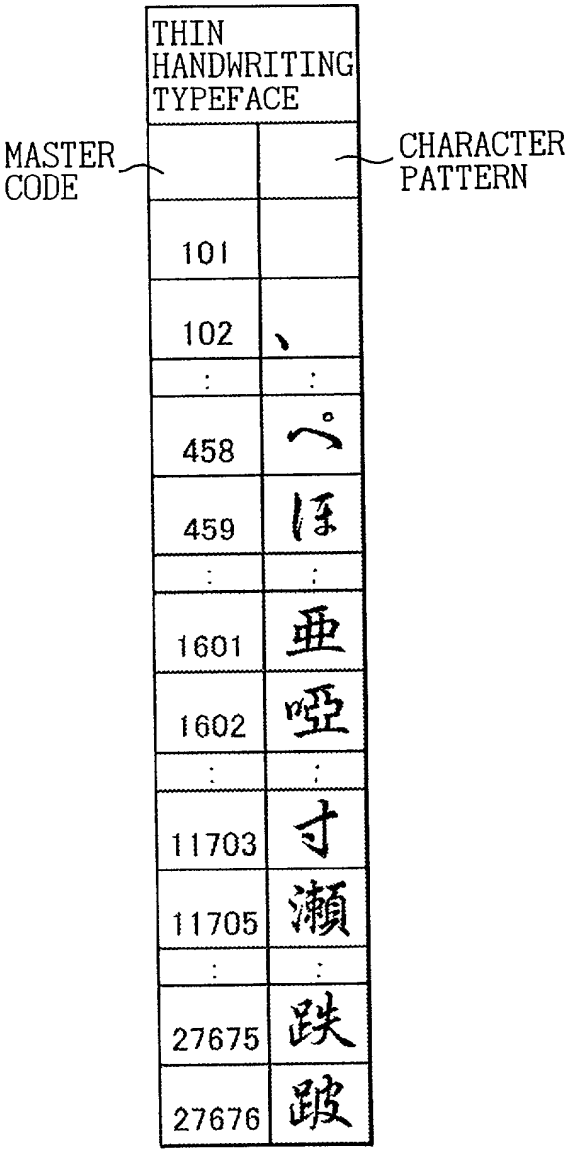

THIN HANDWRITING TYPEFACE
MASTER CODE
CHARACTER PATTERN
101
102
458
459
1601
1602
11703
11705
27675
27676

Fig.3F

FOR CONFIRMING CHARACTER PATTERN	
MASTER CODE	CHARACTER PATTERN
101	
102	ヽ
:	:
458	ぺ
459	ほ
:	:
1601	亜
1602	唖
:	:
11703	寸
11705	瀬
:	:
27675	跌
27676	跛

Fig.3G

SYMBOL	
MASTER CODE	CHARACTER PATTERN
:	:
17920	
17921	
17922	
:	:
17981	
17982	
17983	
17984	
:	:
18061	
18062	
18063	
:	:

Fig.4

EXTERNAL-CHARACTER CODE TABLE	
EXTERNAL-CHARACTER CODE (FONT CODE)	MASTER CODE
0xF040	10723
0xF041	10562
0xF042	10585
⋮	⋮
0xF9FC	(UNDEFINED)

Fig.5A

CHARACTER PATTERN REFERENCE FILE DEFINITION TABLE (I)		
STARTING MASTER CODE	FINISHING MASTER CODE	CHARACTER PATTERN REFERENCE FILE
101	17899	DESIGN TYPE
17900	18099	SYMBOL
18100	65494	DESIGN TYPE

Fig.5B

CHARACTER PATTERN REFERENCE FILE DEFINITION TABLE (II)		
STARTING MASTER CODE	FINISHING MASTER CODE	CHARACTER PATTERN REFERENCE FILE
101	17899	DESIGN TYPE
17900	18099	THIN MING-CHO TYPEFACE
18100	65494	DESIGN TYPE

Fig.6

EXTERNAL-CHARACTER CODE (FONT CODE)	CHARACTER PATTERN
0xF040	CHARACTER PATTERN OF 「0xF040」
0xF041	CHARACTER PATTERN OF 「0xF041」
0xF042	CHARACTER PATTERN OF 「0xF042」
⋮	⋮
0xF9FC	CHARACTER PATTERN OF 「0xF9FC」

EUROPEAN PATENT

Fig.7A

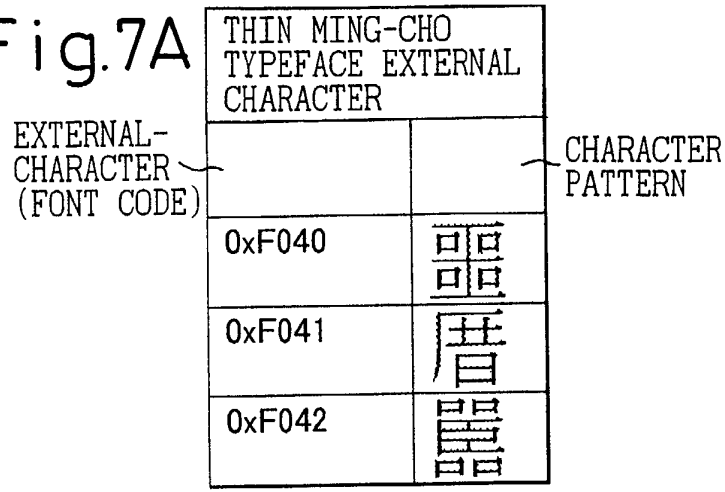


Fig.7B

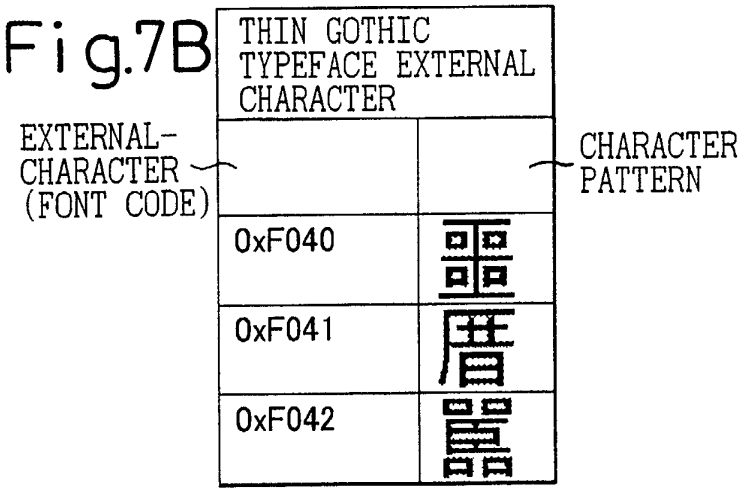


Fig.7C

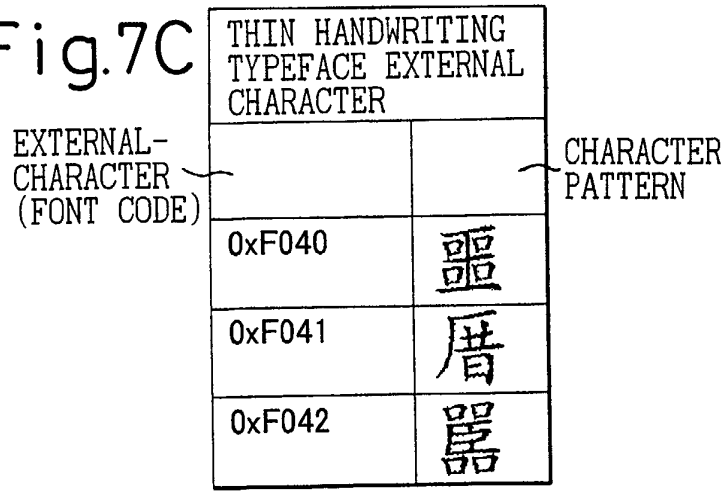


Fig.7D

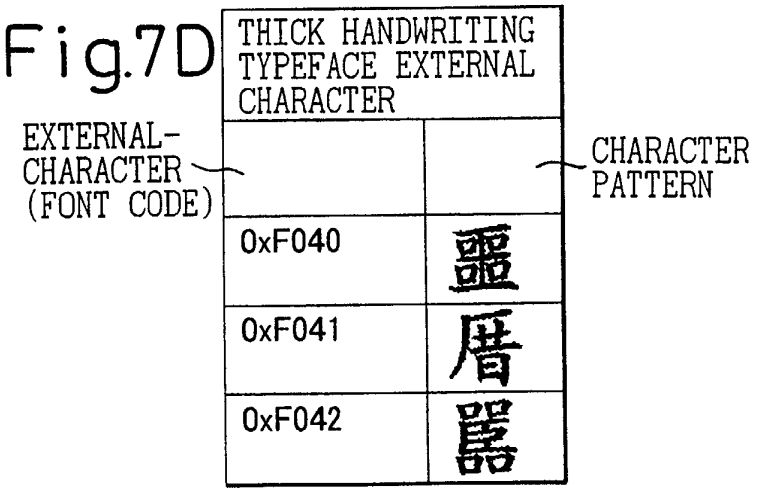


Fig.8A

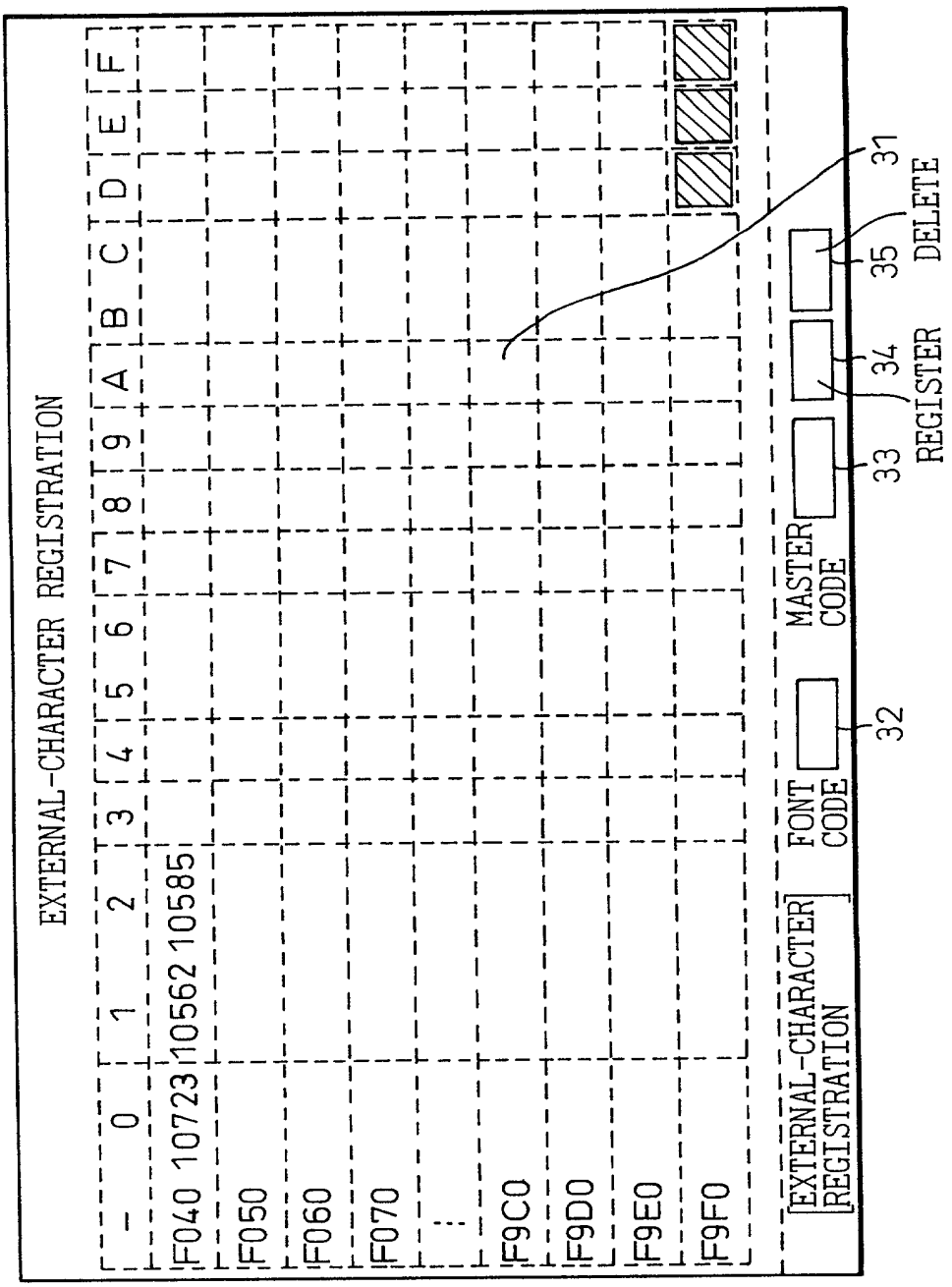

EXTERNAL-CHARACTER REGISTRATION
0 1 2 3 4 5 6 7 8 9 A B C D E F
F040 10723 10562 10585
F050
F060
F070
...
F9C0
F9D0
F9E0
F9F0
EXTERNAL-CHARACTER REGISTRATION
FONT CODE
MASTER CODE
32
33
34
35
31
REGISTER
DELETE

Fig.8B

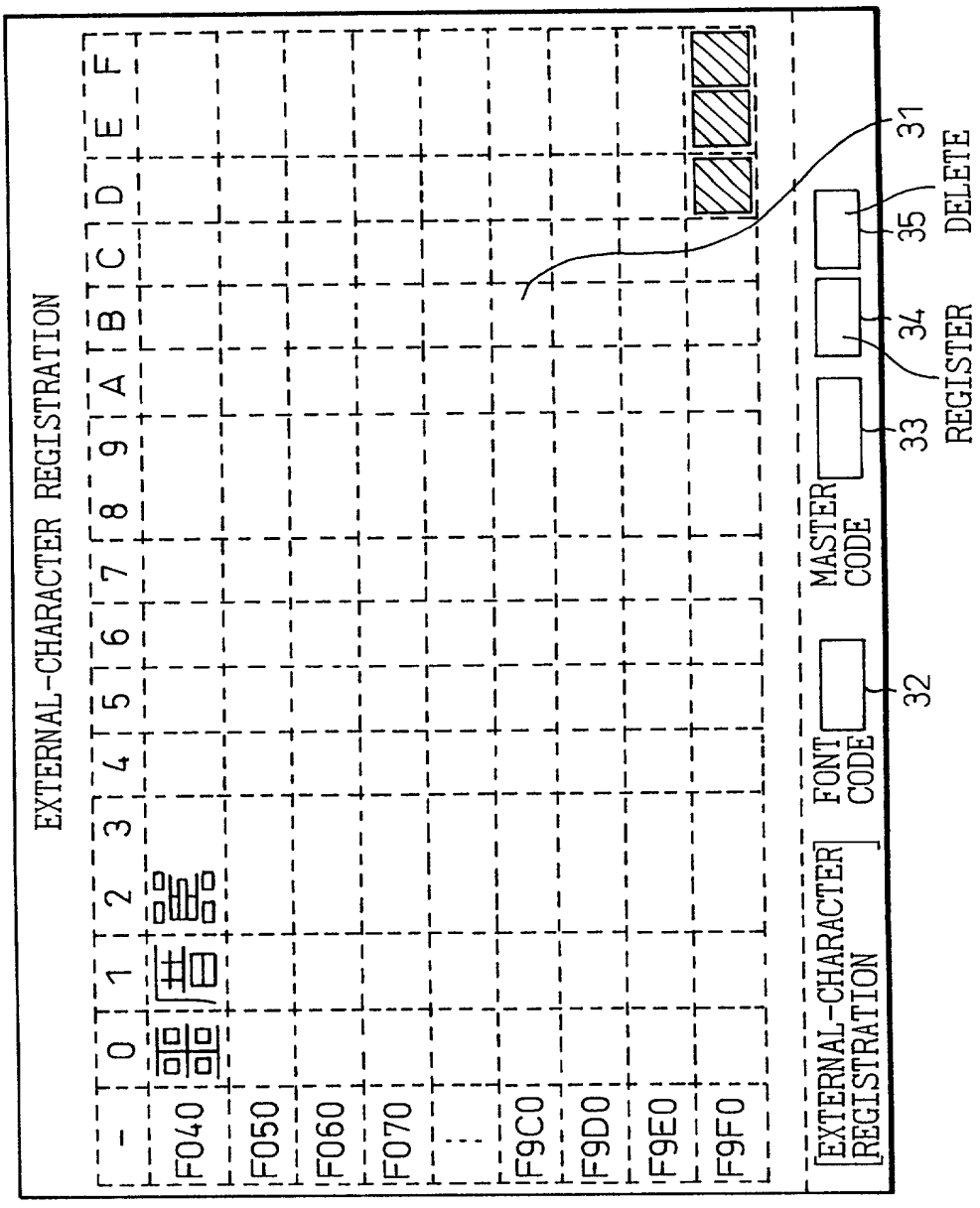

EXTERNAL-CHARACTER REGISTRATION
- 0 1 2 3 4 5 6 7 8 9 A B C D E F
F040
F050
F060
F070
F9C0
F9D0
F9E0
F9F0
EXTERNAL-CHARACTER REGISTRATION
FONT CODE
MASTER CODE
REGISTER
DELETE
31
32
33
34
35

Fig.9

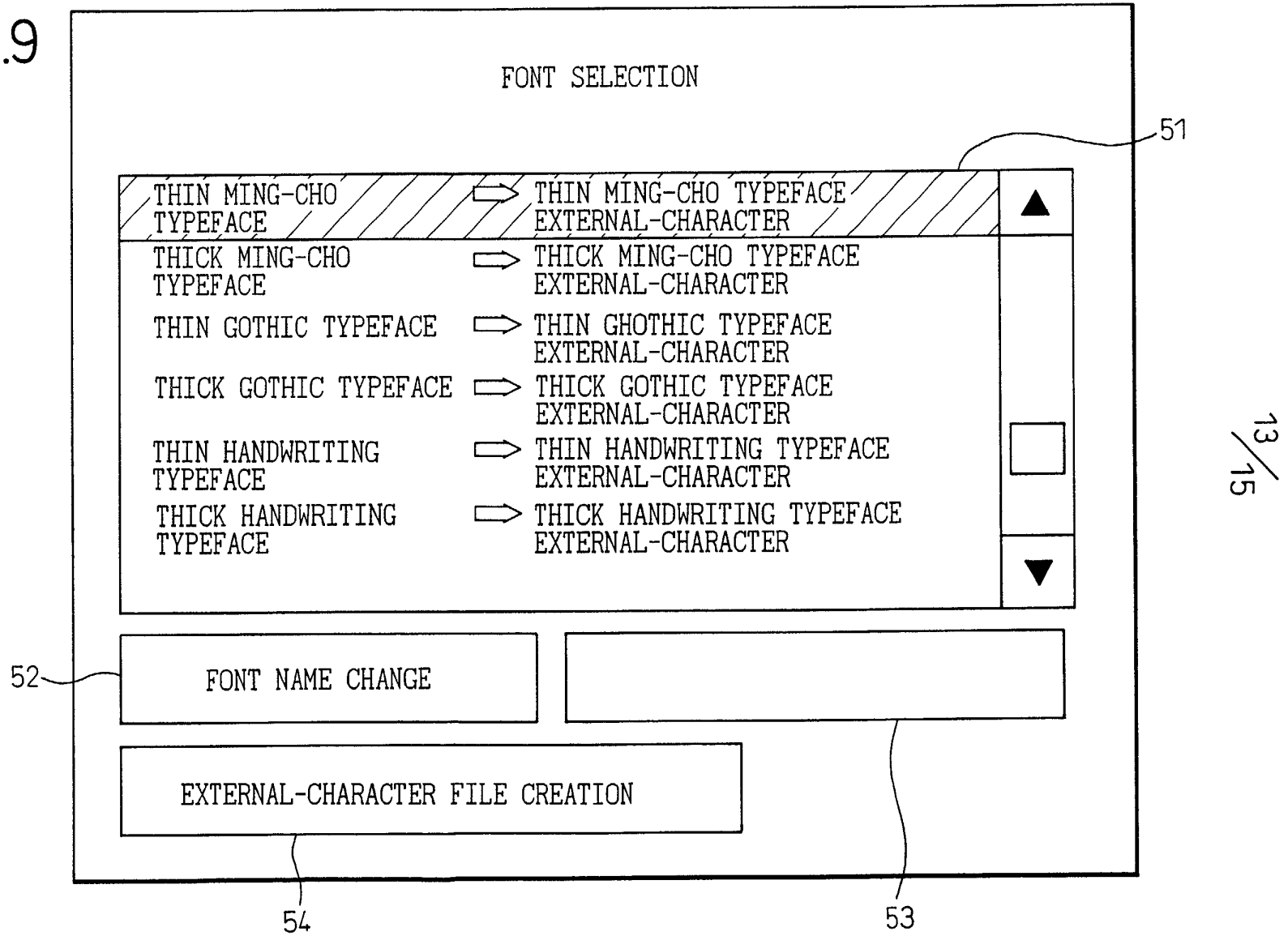

FONT SELECTION
51
THIN MING-CHO TYPEFACE
THIN MING-CHO TYPEFACE EXTERNAL-CHARACTER
THICK MING-CHO TYPEFACE
THICK MING-CHO TYPEFACE EXTERNAL-CHARACTER
THIN GOTHIC TYPEFACE
THIN GHOTHIC TYPEFACE EXTERNAL-CHARACTER
THICK GOTHIC TYPEFACE
THICK GOTHIC TYPEFACE EXTERNAL-CHARACTER
THIN HANDWRITING TYPEFACE
THIN HANDWRITING TYPEFACE EXTERNAL-CHARACTER
THICK HANDWRITING TYPEFACE
THICK HANDWRITING TYPEFACE EXTERNAL-CHARACTER
52
FONT NAME CHANGE
EXTERNAL-CHARACTER FILE CREATION
54
53

Fig. 10

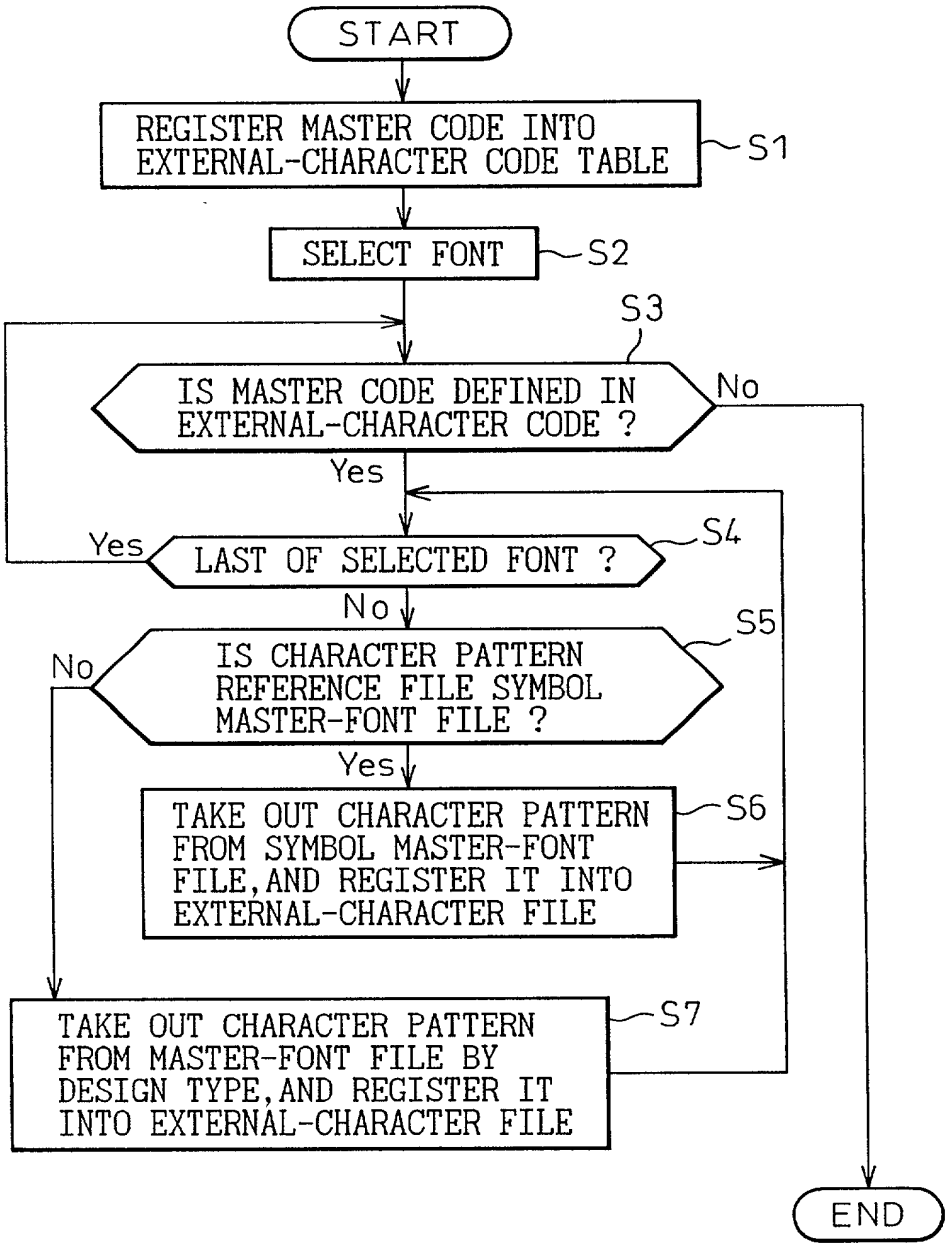
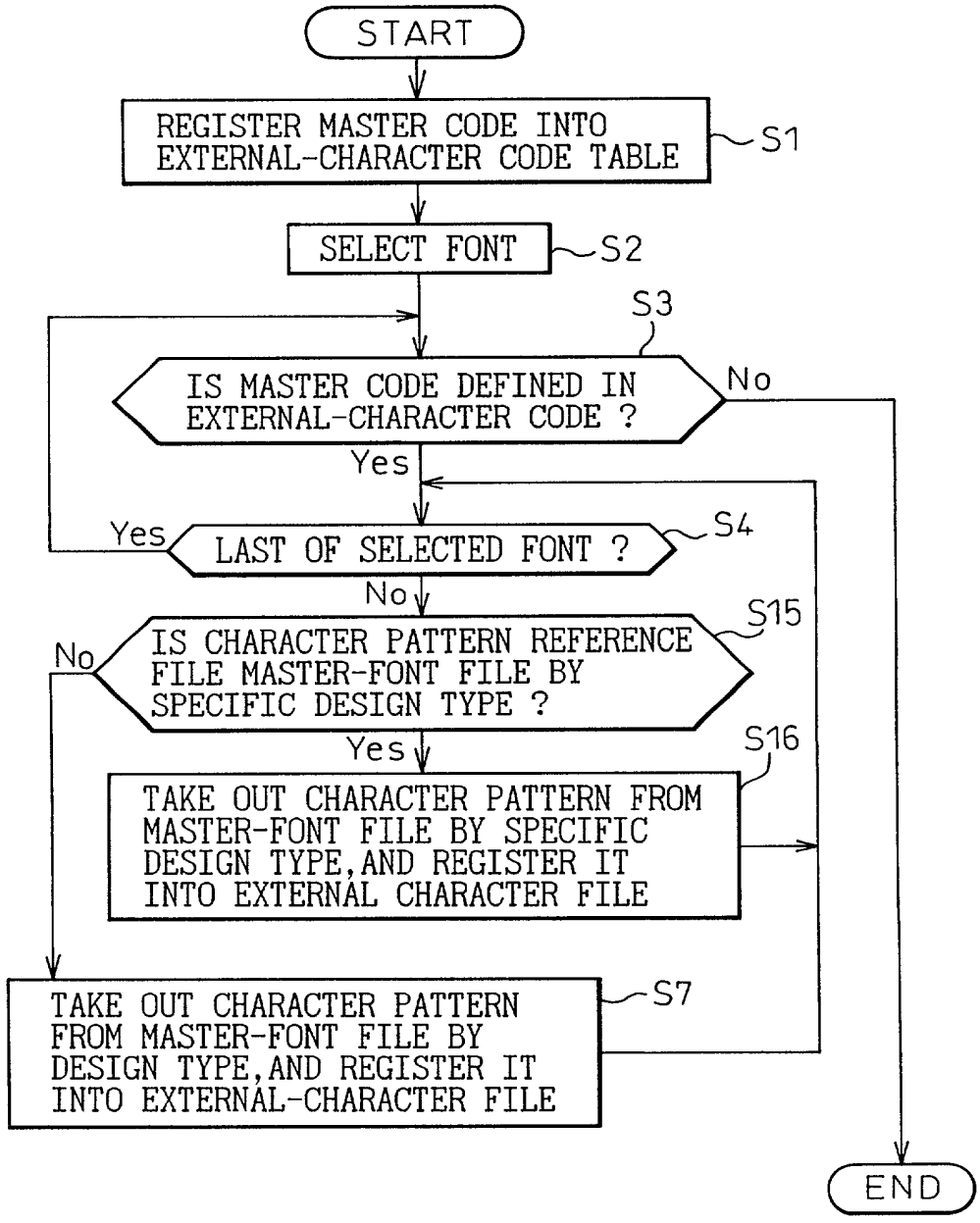

START
REGISTER MASTER CODE INTO EXTERNAL-CHARACTER CODE TABLE
S1
SELECT FONT
S2
S3
IS MASTER CODE DEFINED IN EXTERNAL-CHARACTER CODE ?
No
Yes
Yes
LAST OF SELECTED FONT ?
S4
No
S5
No
IS CHARACTER PATTERN REFERENCE FILE SYMBOL MASTER-FONT FILE ?
Yes
TAKE OUT CHARACTER PATTERN FROM SYMBOL MASTER-FONT FILE, AND REGISTER IT INTO EXTERNAL-CHARACTER FILE
S6
TAKE OUT CHARACTER PATTERN FROM MASTER-FONT FILE BY DESIGN TYPE, AND REGISTER IT INTO EXTERNAL-CHARACTER FILE
S7
END

Fig.11


START
REGISTER MASTER CODE INTO EXTERNAL-CHARACTER CODE TABLE
S1
SELECT FONT
S2
S3
IS MASTER CODE DEFINED IN EXTERNAL-CHARACTER CODE ?
No
Yes
Yes
LAST OF SELECTED FONT ?
S4
No
S15
No
IS CHARACTER PATTERN REFERENCE FILE MASTER-FONT FILE BY SPECIFIC DESIGN TYPE ?
Yes
S16
TAKE OUT CHARACTER PATTERN FROM MASTER-FONT FILE BY SPECIFIC DESIGN TYPE, AND REGISTER IT INTO EXTERNAL CHARACTER FILE
TAKE OUT CHARACTER PATTERN FROM MASTER-FONT FILE BY DESIGN TYPE, AND REGISTER IT INTO EXTERNAL-CHARACTER FILE
S7
END